DXpedition News

South Sandwich and South Georgia - VP8 Tony DeParto WA4JQS reports that his Antarctic DXpedition is set for Nov. 15-Dec. 15, with a large, multi-national crew, including W6OAT, ADØS, K5MM, AH2BE, and many others. He's looking to raise about US$150,000 for the operation; send your donations to AA6BB. Both island groups are in the Top 21 Most Wanted Countries in *The DX Magazine*'s latest survey. With support from DX foundations, individual amateurs, and corporations, DXers should have an excellent shot at confirming a couple of rare DXCC countries.

St. Barthélemy - FJ Look for **FJ/NØIMH** March 15-31, including the CQ WPX SSB test Mar. 24-25. He'll be 25 kHz up on CW, and around the usual DX frequencies on SSB. QSL home call.

Edited by Chod Harris VP2ML

The DX Bulletin

America's Premier Weekly Amateur Radio Publication

Thailand - HS Fred Laun K3ZO makes his annual trip to Thailand now through Feb. 15. He expects to operate from **HSØB, HSØE,** or **HSØF** during the trip, especially on CW. QSL the Thai bureau (P.O.Box 2008, Bangkok 10501, Thailand), **not** to Fred.

Cayman Island - ZF Bruce Frahm KØBJ will be active as **ZF2NJ** to Jan. 26, mostly CW on 10-20 meters, with some SSB. QSL home call, P.O.Box DX, Colby KS 67701.

Guantanamo - KG4 Pete K8UNP returns to Guantanamo as **KG4UN** Jan. 23-25. He prefers 14200, 14230, 21295, and 28495 kHz on SSB, and 20-25 kHz up on CW. He'll also try the 7159 kHz net at 0700Z. He is limited to RIT for split operation, prefers whole calls, and sometimes tolerates well-timed tail-enders. QSL home call, 1989 or later *Callbook*.

Reserve Your Island

▪ NQ4I and N4FD will operate as **C6A/N4FD** in the CQWW 160-meter CW test Jan. 27-28, with some operation outside the test on Jan. 26. QSL N4FD.

Shortly Noted

▪ **UT-J**: Oblast 187. Yuri **UB4JIW** and others will be active from Sevastopol Jan. 20-Feb. 10. Look for **UT7J/UB4JIW, UT2J/UB5JMR, RT6J/UB3JWW, UT1J/UB4JWA, RT9J/UB4JCF** and **UT6J/UB3JM**. QSL Box 13, Simferopol 333038, Ukraine, USSR.

▪ **CT3EU** Jan. 17-31 is Dick King G3PFS. (Tnx DXNS.)

▪ **ES1RA** (ex-UR3RA) will operate from several oblasts to the end of February. Look for him **UM1M/, UM2Q/, UM3N/, UI4O/,** and **UI5F/**. (Thanks DX-NL.)

▪ **Postage** notes: Regular mail from Canada to the US is now **C$0.46**. Brazil has a new currency; make sure you use stamps with **NCZ** postage.

▪ **TA/N7LSZ** Fred Lundgren expects to be active during February from Turkey. Watch 14226, 21305, and 28495 kHz around 1900Z. QSL home call, 1990 *Callbook* address.

▪ **7S8AAA** is the Swedish New Schwabenland station on Antarctica; QSL SKØMT.

▪ **Estonia**'s new ES prefixes are distributed as follows: **ES1**: the capital of Tallinn, **ES2**: Harju Rajon, **ES3**: Haapsalu, **ES4**: Kohtla-Jarve, Sillamae, Rakvere, Narva, **ES5**: Tartu, Jögeva, Pölca, **ES6**: Valga, Võru, **ES7**: Viljandi, **ES8**: Pärnu, **ES9**: special calls, and **ESØ**: western islands.

▪ **6 Meters**: As of the first week in January, Belgium amateurs have legal access to 6 meters, 50-50.3 MHz, with 30 watts. This temporary allocation will be reviewed in 1993.

▪ **WAZ**: The Worked All Zones award has a new manager: Jim Dionne K1MEM, 31 DeMarco Road, Sudbury MA 01776. And Southern Sudan is in CQ Zone 34, not 23 as erroneously mentioned in Issue 519.

▪ **SSB Net** check-ins: 7159 kHz: V63JC 5V7DP 5NØ/N6QLQ TU2UI; 14227: ES4RZ V31DX HV3SJ 9M2ZZ 5W1KT VQ9HB; 14256: 3B8CF TT8GA 5H3RF; 21335: WZ6C/ST4 Z21HD 5V7DP A41JZ XT2PS ZS9A S79D ZC4BS KG6JJH SV9AKI 4S7NMR ZD9BV TU2JL.

▪ **RTTY**: Jon Severt WB8YJF repairs IRL FSK-500 and FSK-1000 units. If you need help, call him at 614-855-3022. Some regulars: **6W6JX** 21087 1900Z; **BY1QH** 14090 0200Z; **EA9JV** 28086 1500Z and 21085 1900Z; **TU2BB** 210/28087 1300Z; **TZ6VV** 28/21/14090 18-2000Z.

▪ **Islands On The Air: JI6KVR** will be going to Uji Island (AS-??) May 25-27. Dan **KY7Y** is on Amchitka (NA-70) and will be active as work permits. Tony **KL7AF** returns to Sitkinak (NA-53) in April. See the Feb. 1990 issue of *The DX Magazine* for details. Tony also hopes to operate from Chirikof (NA-??) and Barren Island (NA-??) this year. **UZ1A/a** is on Kil'din Island (EU-82). **4K4BAN** is on Golomaanyj Island in the Severnaya archipelago (AS-42); QSL RB5FO. **Y2/DL8NBJ/p** was on Rugen Island (EU-57); QSL DJ5CQ. *DX News Sheet* reports that **ZL9TPY** expects to be active from Enderby Island (OC-74) in the Auckland/Campbell group Jan. 15-26. **UZØKWA** is on Wrangel Island (AS-27); QSL UAØKCL. **UØK/UV1POL** is on Kolyuchin Island (AS-65); try 14020 kHz at 0800Z.

Propagation

Forecast and Historical Data

Day	Forecast	27 Days Before			55 Days Before			
January 1990		Date	Flux	A K	Date	Flux	A	K
19	High Normal	12/23	221	12/14 2	11/25	221	01/04	1
20	High Normal	12/24	240	13/16 3	11/26	238	08/08	3
21	High Normal	12/25	272	13/11 2	11/27	246	12/14	2
22	High Normal	12/26	260	17/18 5	11/28	235	22/23	3
23	High Normal	12/27	285	21/23 4	11/29	224	13/15	3
24	Above Normal	12/28	255	06/07 2	11/30	249	13/20	3
25	Below Normal	12/29	269	45/38 6	12/01	235	30/35	6
26	Low Normal	12/30	271	24/28 3	12/02	220	15/20	2
27	Below Normal	12/31	246	25/33 3	12/03	212	18/19	3
28	High Normal	01/01	216	15/17 3	12/04	216	21/25	1
29	High Normal	01/02	212	10/13 3	12/05	214	09/11	1

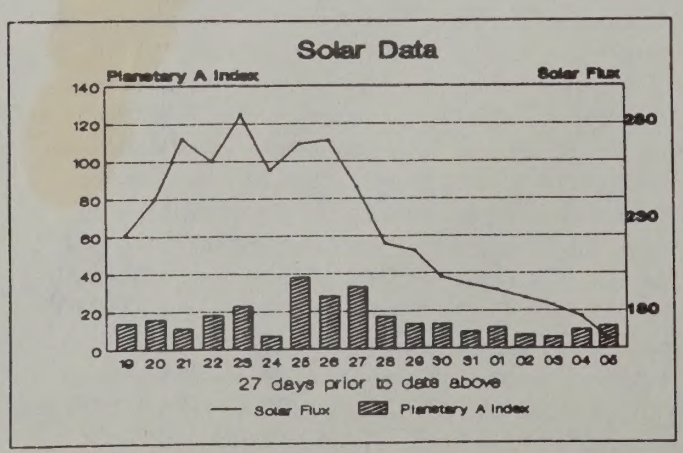
Propagation Watch

Band conditions continue to be very good. The higher bands have good daytime openings, which are extending into the evening as the days lengthen in the northern hemisphere. Many DXers are missing out on good openings after dark. The bands fade out around sunset, but often bounce back with good signal-to-noise rations a hour or so later.

The relatively quiet geomagnetic field has given low-band DXers some good openings. Absorption at this stage in the sunspot cycle forces DXers to pay particular attention to grayline openings, but those openings have been very productive. For random QSOs on the lower bands, check out the western path at local sunrise, and the eastern path at sunset.

We're likely to see some disrupted conditions in the next two weeks, as the most active face of the sun rotates around toward the earth. A major flare on the middle of the sun can wreck havoc on the bands. The same flare pointed in a different direction may cause only minor problems. Jan. 23-28 is the most likely period for severe geomagnetic storms. Keep at ear on WWV at 18 minutes after the hour (or WWVH at 45 minutes after) for the latest news.

Sunspot Regions 5852, 5853, and 5854 combined to produce a dozen Class M flares and one Class X (the most energetic) in late December, which hampered the 3Y5X operation. These regions will be in the center of the sun the third week in January; watch for flares at that time.



Regulars

▪ **Antarctica**	7S8AAA	7002	0100Z
▪ **Ascension Island**	ZD8VJ	3503	2200Z
▪ **Ascension Island**	ZD8VJ	7003	0045-0230Z
▪ **Ascension Island**	ZD8VJ	14025	00-0130Z
▪ **Ascension Island**	ZD8VJ	21024	19-2300Z
▪ **Ascension Island**	ZD8VJ	28025	13-1500Z
▪ **Bahrain**	A92QL	21017	15-1700Z
▪ **Botswana**	A22AA	28470	1900Z
▪ **Guam**	KH2D	3506	1200Z
▪ **India**	VU2TEC	7003	12-1500Z
▪ **Iraq**	YI1BGD	28580	1300Z
▪ **Johnston Island**	KNØE/KH3	3507	0320Z
▪ **Juan Fernandez**	CEØOGZ	14020	01-0500Z
▪ **Liberia**	EL7X	14020	0000Z
▪ **Maldives**	8Q7BX	14020	0200Z
▪ **Mayotte**	FH5EJ	14022	0330Z
▪ **Micronesia**	V63AO	28490	2300Z
▪ **Mongolia**	JT2AB	14005	0130Z
▪ **Mongolia**	JT1BV	14220	0300Z
▪ **Nicaragua**	YN3CC	7002	0800Z
▪ **Reunion**	FR4FD	14008	0200Z
▪ **San Marino**	T77C	7006	0630Z
▪ **Senegal**	6W6JX	3503	2300Z
▪ **South Orkneys**	LU1ZA	21011	2330Z
▪ **Sri Lanka**	4S7CF	14004	1230Z
▪ **Sri Lanka**	4S7WP	7002	2330Z
▪ **Sri Lanka**	4S7WP	14020	1145Z
▪ **Taiwan**	BV2DA	28010	0030Z
▪ **Thailand**	HS1BV	14207	2000Z Sun.
▪ **Turkmenistan**	UH8EA	14210	03, 1230Z
▪ **West Malaysia**	9M2AX	3503	2230Z
▪ **Zimbabwe**	Z21CA	14026	0400Z

DX Aids Available

▪ Dieter Konrad OE2DYL has the 9th edition of his "DX Nets Around The World" available for US$3 or nine IRCs, including airmail postage (no cheques.) Include SAE with order. Address: Rosengasse 1, 5020 Salzburg, Austria.

▪ The **Index** to the 1989 issues of The DX Bulletin (Issues 469-518) is available for US$1, two IRCs, or US$0.50 and SASE, (postage stamps okay) from The DX Bulletin, P.O.Box 50, Fulton. The index is sorted by prefix, and includes the callsign of the operation.

Help Wanted

▪ Ralph Hirsch K1RH seeks a source of 811A tubes for the Collins 30L1. The Russian tubes don't work because of their random filament orientation. Contact Ralph at his *Callbook* if you can help.

▪ Mar YO3CD seeks assistance with amateur radio equipment, supplies, spare parts, etc., for amateur radio operators in Romania. "Amateur radio activity has been totally neglected by the old regime. Only the passion and endeavor of some of us have maintained the presence of YO calls on the air," he reports. "We don't have anything: neither decent-quality equipment, nor spare parts, nor antennas, etc." Donations may be sent to the Romanian Radio Federation at P.O.Box 22/50, Bucharest. Romanian Customs will permit material to enter duty-free.

B . A . N . D . P . A . S . S

*Key to Bandpass: Callsign, frequency, UTC, day of the month, state. * = long path. P = packet.*
All "portable" calls listed with country of operation first, regardless of format used on the air.

RTTY

5Z4BH	14081	0145	7	OH
6W6JX	21088	1919	1	PA
9J2AL	21087	2155	7	OH
9Q5BG	14091	1915	8	CA
BY1QH	14089	0159	7	NH
D44BC	21094	1727	29	PA
EA8AKQ	28086	1941	6	NH
EA8EV	14085	0100	12	CA
EA9JV	28086	1515	2	PA
EA9JV	21093	1904	6	NH
EL2MR	21092	1820	31	PA
HV3SJ	21088	1909	29	PA
PJ2MI	21092	1909	31	PA
PYØFF	21089	2045	1	OH
PZ1BS	14084	0210	3	OH
TU2BB	21088	1327	7	NH
TU2BB	28096	1434	1	PA
TZ6VV	28090	1750	11	CA
TZ6VV	21091	1900	1	PA
TZ6VV	14096	1954	2	NH
UT5RP	21088	1747	2	PA
UZ9CWA	14094	2241	3	NH
VP2E/ N2FBB	21090	1715	12	CA

160 Meters

3Y5X	1827	0340	8	WA
KH6CC	1833	0536	2	WA
SV1ADG	1832	0430	29	MA
TG9NX	1836	0557	5	WA
V73AZ	1831	1059	7	WA
YS1MAE	1845	0413	8	MA

80 Meters

4X4YM	3502	0030	6	NH
5H3TW	3507	0326	5	MA
6W6JX	3504	2300	6	IL
9M2AX	3501	1554	26	WA
9M2AX *	3503	2231	19	MA
CN8FC	3503	0029	8	FL
DU9RG *	3800	2134	31	MA
EA8AB	3503	2240	8	NH
HI3JH	3505	0035	6	FL
HZ1AB	3507	1429	7	MT
KH2D	3506	1200	7	NH
ON4UN *	3502	1550	27	WA
OY1CT	3507	0245	8	MA
OY7ML	3503	2330	10	NH
PYØFF	3502	0125	3	MA
RL7GA	3505	1200	30	FL
RVØYF	3507	1150	24	MA
UAØFZ	3504	1050	9	NH
UA2FZ	3513	0420	3	IA
UG6GAW	3501	2113	7	MA
UI8CQ	3502	0227	7	MA
UW9YV	3503	1155	6	NH
VQ9DX *	3503	1503	3	WA
YBØCXM	3501	2300	1	NH
ZD8VJ	3503	2138	7	MA

75 Meters

4U1ITU	3796	2346	7	MA
7P8EG	3790	0350	3	CA
DU9RG *	3796	2140	31	MA
HH2PK	3800	0405	7	IL
TU2UI	3791	2146	10	MA
UC1AWZ	3645	0242	7	MA
VK6HE *	3799	2128	7	MA
VP2EXX	3795	0303	9	MO
ZD6BCR	3796	0346	6	MO

40 Meters

3B8CF	7005	0215	5	IA
4S7WP	7001	2325	2	MA
7S8AAA	7002	0045	9	IA
9M2AX	7003	1218	6	MA
9Q5DX	7005	0413	6	ON
A22BW	7004	1625	4	CA
EA6ZY	7002	2337	2	MA
EA8AB	7006	0838	3	CA
EL2FQ	7009	2145	31	FL
ES4XB	7003	1219	12	MA
J8/ VE3CPU	7003	2355	5	IA
RI1OA	7007	1210	10	MA
RVØYF	7006	1120	27	MA
SVØMY/8	7002	0208	11	MA
TA2AO	7004	0250	3	OH
TA4A	7002	0022	2	GA
UA1O/ UB5MAL	7003	1439	7	CA
UA2FZ	7006	0645	3	CA
UD6DC *	7004	1322	9	IL
UG6GAW	7010	0428	3	FL
V31DX	7002	0438	5	MI
V73AS	7001	0730	2	MA
V85AA	7004	1456	9	ID
VK6HD	7004	1448	9	ID
VU2TEC *	7004	1209	2	MA
YN3CC	7001	0755	1	CA
ZD8VJ	7003	0044	3	MA

30 Meters

5B4OG	10105	0337	28	WV
ES1AR	10105	2330	31	WV

20 Meter CW

3B8CF	14032	0400	30	NY
4K1DV	14025	0130	7	MI
4S7CF *	14004	1236	6	NC
4S7WP	14032	0152	5	CA
4S7WP	14004	1144	3	VA
7S8BBB	14005	0200	11	MA
8Q7BX	14014	0200	6	MA
9Q5TE	14034	0529	28	PA
9V1YC	14025	2330	19	MD
A41JV	14020	2110	26	FL
A92QL	14002	0410	11	NH
A92QL	14015	1809	8	NB
BV2A	14029	1329	27	MD
BV2DA	14025	1320	7	MA
CEØOGZ	14018	0056	9	MA
EL7X	14020	0030	8	IL
EL7X	14009	1245	28	FL
FH5EJ	14023	0323	4	GA
FK8FS	14034	0444	31	PA
FK8GJ *	14028	2000	31	NH
FR4FD	14009	0211	8	LA
FR4FD	14006	1315	30	FL
FR5DD	14023	0400	9	CA
H44RO	14020	2335	25	NH
J8/ VE3CPU	14022	0024	2	OH
JT1BR	14009	1225	3	MA
JT1CS	14023	0324	5	SC
JT2AB	14005	0126	3	OH
JT2KAA	14005	0156	5	NH
JY9SR	14024	0507	6	MT
LU1ZA	14020	0003	26	OH
RL8PYL	14013	0240	30	FL
ST2/ G4WYG	14034	1940	31	NH
TU2OP	14019	0014	27	FL
UA1O/ UW1ZC	14012	0231	8	IL
UA1O/ UAØBAZ	14003	1128	7	MA
UJ8AH	14010	0241	3	MA
UL8GWJ	14003	0245	31	MA
VU2IOC	14042	0300	2	NY
VU2LX	14012	1300	28	FL
VU2TTC	14013	1238	28	FL
YK4BAN	14033	1231	4	GA
Z21AP	14008	1139	7	MA
Z21CA	14065	1926	28	PA
ZD8VJ	14024	0405	4	CA

20 Meter SSB

4K2PGO	14026	0013	5	CA
4S7NS	14227	2350	1	OH
5U7NU	14192	1250	2	MA
7X2SN	14243	0023	7	CA
7X5VRK	14205	0035	8	MI
9N1MM	14160	2050	29	ME
A41KL *	14212	0251	23	MD
BY4WNG	14200	1337	27	MA
CN8EC	14126	0214	27	MD
HS1BV	14204	0012	8	IL
JT1BV	14207	2120	31	MA
JT1KAI	14215	0247	23	MD
KC4USA	14228	0347	4	MD
ST4/WZ6C	14305	0626	6	MD
UG6GAT	14192	2335	26	MA
UH8EA	14246	0439	28	CA
UH8EA	14204	0314	6	MI
UJ8KA	14201	1229	3	PA
UJ8KA *	14233	0408	24	MA
VK9TR	14207	1230	6	NC
VQ9DX	14227	1200	29	MS
VQ9IF	14256	1329	7	FL
VQ9LW *	14182	1759	24	MD
VU2AU *	14171	1303	12	MA
VU2GI	14180	1139	5	NC
XX9JN	14208	0209	23	MD
YL1XX	14190	1254	10	MA
ZD7BJ	14247	0350	6	MI
	14220	2205	3	NH

15 Meter CW

3D2XR	21025	0334	31	FL
6W1QB	21023	2010	24	MD
7X3DA	21021	1849	4	AZ
9L1CM	21004	2145	1	MA
9Q5DX	21026	1925	30	CA
A92QL	21018	1505	9	IA
CEØOGZ	21023	2248	29	GA
EL7X	21015	2233	7	IL
FR4FD	21002	0410	5	MI
FR4FD	21008	1837	27	WV
LU1ZA	21010	2329	4	OR
TF3EJ	21035	2331	7	WA
V31DX	21029	1853	3	NY
YL1WW	21007	2340	5	AZ
YN3CC	21020	1406	31	GA
ZD7KM	21022	1710	31	FL
ZD8VJ	21024	1900	6	MI
ZS8MI	21048	1746	2	NB

15 Meter SSB

4K4BAN	21260	1444	12	MA
5Z4BP	21335	1440	6	NH
5Z4FO	21240	2034	6	MA
9Q5TC	21316	1349	4	NH
A92QL	21229	1630	8	CA
HV3SJ	21247	1620	3	CA
L73GADX	21290	0057	10	MA
OD5MM	21305	1511	10	MA
SV5TS	21252	1630	3	CA
SV9AKE	21335	1733	29	VT
TU2JL	21304	1432	4	NH
UH8EA	21225	1522	7	ME
UI8AAY	21276	1918	6	MA
VS6AU	21261	0106	23	MD
XW8KPL	21300	0014	7	FL
ZC4BS	21335	1711	26	CT
ZS3N	21269	2045	6	MA

12 Meters

SV9ADH	24905	1515	31	NH
UQ1GXX	24902	1538	23	FL

10 Meter CW

3D2XR	28024	0048	5	MI
5Z4FN	28016	1410	1	MA
6W2EX	28018	1311	31	MA
BV2DA	28011	0025	8	WA
BY4RB	28026	0010	20	MD
EL7X	28025	1830	28	NH
ESØZA	28009	1251	6	MA
FH5EL	28041	1651	31	MA
FR4FD	28011	1228	6	MA
J8/ VE3CPU	28024	1249	3	GA
JD1BFA	28025	1313	2	PA
SV9BAI	28019	2359	4	OR
T77C	28022	1540	6	MA
TF3CW	28011	1342	7	IL
UQ2GP	28014	2240	6	WV
ZD8VJ	28001	1530	7	IL
	28023	1245	5	NY

10 Meter SSB

3D2XR	28520	2230	30	MD
5H3TW	28495	1840	6	MA
5NØLRC	28464	1250	6	NJ
5V7DP	28380	1248	2	MD
5W1HM	28482	0131	3	LA
5W1KT	28511	0140	29	IL
7P8EG	28482	1944	30	MA
9J2FR	28539	1449	29	MD
9K2EC	28455	1248	27	MA
9K2KS	28495	1512	30	MD
A22AA	28462	1850	7	PA
BV2FA	28545	2353	28	MD
CN2AQ	28519	1800	24	NY
EL2WK	28695	1300	6	NJ
EL7X	28475	1659	29	IL
FK8GA	28525	2158	22	MD
HV3SJ	28490	1640	7	PA
JY5FA	28535	1315	6	NJ
KG6JJH	28544	2130	7	MD
ORØTT	28536	1215	4	MA
SØ1A	28495	1640	3	MD
SV5TS	28527	1330	8	NY
TF3CW	28504	1645	5	MD
TU2QQ	28512	1636	5	MD
TU2UI	28463	1702	9	CA
TYØAS	28480	1350	9	MD
TZ6RC	28469	1420	5	OH
UI8ZAC	28506	1240	26	NJ
V63AO	28490	2249	9	MA
V73AM	28483	2316	7	MA
VK9NL	28540	2226	23	MD
VU2WAP	28502	1425	10	NY
XW8KPL	28550	0100	27	CA
YIØAD	28704	1400	7	MA
YI1BGD	28616	1425	1	NJ
YN/ SMØOIG	28558	1512	31	MA
ZB2IW	28512	0338	3	MA
ZD7DP	28451	1809	12	MA
ZD7VC	28463	1357	11	MA
ZS9A	28610	1519	7	IL

6 Meters

CO2JA	50110	1620	31	CA
FC1BUU	50137	1730	28	CA
G4UPS	50091	1604	1	FL
GM4DGT	50097	1523	1	FL
GW3LDH	50091	1601	1	FL
HH7PV	50127	1630	1	CA
KG6DX	50108	2239	16	FL
KP4A	50110	1625	1	CA
PAØERA	50097	1504	1	FL
VO1QF	50124	1930	29	CA
ZF1EJ	50120	1630	31	CA

01/06

Copyright The DX Bulletin. The DX Bulletin (ISSN 0279-8077) is published fifty times per year at P.O. Box 50, Fulton CA 95439. Telephone (707) 523-1001. Fax: (707) 523-1001. CompuServe 75755,737. One-year subscription rates are $29 Second Class Mail, $38 First Class Mail, US$50 Foreign Airmail. Second Class postage paid at Santa Rosa CA. POSTMASTER: Send address changes to above address.

The DX Bulletin

P.O. Box 50
Fulton, CA 95439
U.S.A.

FIRST CLASS MAIL

First Class
U.S. Postage Paid
Santa Rosa, CA
Permit No. 550

Calendar

Issue 521 - January 19, 1990

(Changes and hot info in **boldface**.)

Algeria - 7X	7X3DA 21022 1820Z	I520
Antarctica - 7S	**7S8AAA 7002 0100Z**	**I521**
Armenia - UG	UG6GAW 20M SSB 0515Z	I520
Ascension Is. - ZD8	ZD8JV 3503/22Z 7003/01Z	**I521**
	14025/01Z 21024/19-23Z 28025/13Z	
Bahamas - C6	C6A/N4FD CQWW 160M CW	**I521**
Bahrain - A9	A92QL 21017 15-1700Z	**I521**
Botswana - A2	A22AA 28470 1900Z	**I521**
Brunei - V85	V85DA 14027/7002 2200Z	I519
Cameroon - TJ	N3CRH/TJ 10M SSB 18-2200Z	I519
Cayman Is. - ZF	ZF2OR, OS/ZF8 Jan. 15-22	**I520**
	ZF2NJ to Jan. 26	**I521**
Chagos - VQ9	VQ9DM 14025/0230, 1530Z	I519
Chatham Is. - ZL7	ZM7VS Jan. 16-30, 1990	**I505**
China - BY	BZ4WH 21027 0145Z	I519
	BY4RB 3504 1300Z	I519
Grenada - J3	Jan 22-30, CQWW 160M	**I520**
	Feb. 15-Mar. 7 K4LTA	I520
Guam - KH2	KH2D 7006/1230Z 3506/12Z	I520
Guantanamo - KG4	KG4UN Jan. 23-25	**I521**
India - VU	VU2IOC 14017 long path 1230Z	I518
Iraq - YI	YI1BGD 28580 1300Z	**I521**
Ivory Coast - TU	TU2JL 14170 0440Z	I520
Johnston Is. - KH3	KNØE/KH3 3507 0320Z	**I521**
Juan Fernandez - CEØ	CEØOGZ 14008/0130 21017/0030	I519
Kazakhstan - UL	UL7GA 3505/1200Z	I520
	UL7RER 14022/0330Z	I520
Lesotho - 7P	7P8EG 3795 0330Z	I519
Liberia - EL	EL7X 14010/2330Z 21015/22Z	I519
Maldives - 8Q	8Q7AH Feb. 2-16	I519
Marianas - KHØ	AHØF Jan. 26-29, CQ 160M	I516
Marshall Is. - V7	V73AZ 1834/07Z 7007/12Z	I519
Mauritania - 5T	5T5SR 21340 07-1100Z	I519
Mauritius - 3B	3B8CF 18080/0230Z 14030/0330Z	I519
Mayotte - FH	FH5EJ 28030/16Z 14022/0330Z	**I521**
Micronesia - V6	V63AO 28490 2300Z	**I521**
Mongolia - JT	JT1CD 14008 0445Z	I520
	JT2AB 14005 0130Z	**I521**
Netherland Antilles	PJ2J ARRL CW test	I520
New Caledonia - FK	FK8GJ 7005 1230Z	I520
Nicaragua - YN	YN3CC 7002 0800Z	**I521**
Oman - A4	A41KV 14020 1900Z	I520
Pitcairn - VR6	Bicentennial VR2ØØPI/	I519
Reunion - FR	FR4FD 14008 0200Z	**I521**
St. Barthélemy - FJ	FJ/NØIMH Mar. 15-31	**I521**
St. Helena - ZD	ZD7KM 15M CW 2030Z	I516
	ZD7VJ Jan. 25-26	I520
St. Vincent - J8	**VE3CPU/J88 Dec. 30-Jan. 30**	**I516**
San Marino - T7	**T77C 7006 0630Z**	**I521**
Saudi Arabia - HZ	HZ1AB 3505/0200Z 3793/1430Z	I518
Senegal - 6W	**6W6JX 3503 2300Z**	**I521**
Singapore - 9V	9V1YC 21023 2300Z	I519
South Orkneys - VP8	LU1ZA 14005/2330Z 21016/23Z	I519
Sri Lanka - 4S	4S7WP EA 20M CW 0030-0100Z	I519
Sudan - ST	WZ6C/ST4 20M SSB 2230Z	I520
Taiwan - BV	BV2DA 14026/13Z 28010/00Z	I519
Tanzania - 5H	5H3TW 3506 0300Z	I517
Trindade - PYØT	in February?	I520
Turkey - TA	TA3F 28585/14Z TA3D 7004/22Z	I520
Uzbekistan - UI	UI8BAA 7004 1200Z	I518
Vanuatu - YJ	by DLs Feb. 4-Mar. 4	I519
	YJ8NMB 28360 07-1100Z	I519
Walvis Bay - ZS9	ZS9A 28610 1615Z M, Th, S	I514
West Malaysia - 9M	9M2AX 3502/1200Z and 2230Z	I519
Western Samoa - 5W	5W1KT 28510 0100Z	I520
Willis Is. - VK9	VK9TR 14226 1100Z Friday	I519
Zaire - 9Q	9Q5DX 20M CW 0600Z	I520
Zone 23	RVØYF 14008 0200Z	I519

DX Activities and Contests

Date	Event or Activity	Info
Jan. 26-28	CQWW 160-Meter Contest	CQ
Feb. 17-18	ARRL CW DX Test	QST

Contributors

This Issue of The DX Bulletin would not have been possible without the invaluable assistance of the following: KH6BZF, SESC, AB8K, AE1H, K1HDO, K1NIT, K1RH, K2OLG, K3ZO, K3ZPG, K4BAI, K4BAT, K4II, K4LNA, K5WGQ, K6IR, K6RQ, K7LZI, K8CV, K8OQL, K8RC, K8RWL, K8UNP, KA1BSZ, KA1XN, KA3DBN, KA3UVU, KA4YAE, KA6A, KA7T, KØBJ, KC9AL, KD7SO, KDØJL, KE7X, KG4O, KJ4BK, KJ9I, KM4KJ, KQ3S, KY2O, N2GLH, N4FD, N6IBP, N6JQL, N7LSZ, N8AGU, ND9X, NØIML, NJ1T, NM8R, NN7A, NX7K, OE2DYL, ON4AAQ, VE1ACK, VE3OU, W1AM, W1AW, W1BFT, W1BWS, W1CYB, W1FV, W1HH, W1NH, W1WAI, W3FM, W5MUG, W6AJJ, W6AUG, W6BJI, W6JOX, W6UQF, W7AWA, W8CT, W9DH, WAØRJY, WA1NPZ, WA2MZX, WA4JQS, WA6AUE, WA6CTA, WA9AQE, WB4OSN, WB5KYK, WB8LVA, WB8SFF, WB8YJF, WB8ZRL, WB9Z, WC5M, WJ7R, and NCDXC. Thanks for all your help! -ed.